

Listing of Claims:

1 1. (Currently Amended) A fluid separator for separating a first, heavier fluid from a
2 second, lighter fluid in a fluid stream, comprising i) an inlet scoop piece with a body
3 having a rib portion defining an enlarged internal channel, a drain tube at a lower end of
4 the rib portion, and a mouth at a forward end of the inlet scoop body; and ii) an outlet
5 scoop piece with a body having a receiving channel at a forward end of the outlet scoop
6 piece dimensioned to closely receive the mouth of the inlet scoop piece and outwardly
7 bound and support the mouth; and a lip located internally of the inlet scoop piece and
8 defining a fluid separation cavity with an inner surface of the internal channel, and a flow
9 passage through the inlet scoop piece and the outlet scoop piece, wherein heavier fluid
10 passing through the flow passage separates out in the fluid separation cavity, collects in
11 the internal channel, and drains down through the drain tube.

1 2. (Currently amended) The fluid separator as in claim 1, wherein the inlet scoop
2 piece is outwardly bounded and supported by an inner wall of the outlet scoop piece, and
3 inwardly bounded and supported by an outer wall of the lip [receiving channel of the
4 outlet scoop piece inwardly and outwardly bounds and supports the mouth of the inlet
5 scoop piece].

1 3. (Currently amended) The fluid separator as in claim 2, wherein the mouth of the
2 inlet scoop piece has a radially-outward projecting bead therearound, and the receiving
3 channel of the outlet scoop piece closely receives the outer diameter of the bead, and the
4 lip closely inwardly bounds an inner diameter of the [end wall] mouth .

1 4. (Original) The fluid separator as in claim 3, wherein the mouth of the inlet scoop
2 piece has a flat forward end, and the receiving channel of the outlet scoop piece has a flat
3 end wall, the mouth of the inlet scoop piece being received in the receiving channel such

4 that the forward end of the inlet scoop piece is flush against the end wall of the receiving
5 channel.

1 5. (Original) The fluid separator as in claim 1, further including a pair of attachment
2 flanges on the inlet scoop piece and a pair of attachment flanges on the outlet scoop
3 piece, the flanges on the inlet scoop piece being aligned with the flanges on the outlet
4 scoop piece, and fasteners associated with the flanges securing the inlet scoop piece to
5 the outlet scoop piece.

1 6. (Original) The fluid separator as in claim 1, wherein the inlet scoop piece and the
2 outlet scoop piece are each unitary components.

1 7. (Currently Amended) A water separator for removing water from an air stream for
2 an internal combustion engine, said water separator including i) an inlet scoop piece with
3 a body having a rib portion defining an enlarged internal channel, a drain tube at a lower
4 end of the rib portion, and a mouth at a forward end of the inlet scoop body; and ii) an
5 outlet scoop piece with a body having a receiving channel at a forward end of the outlet
6 scoop piece dimensioned to closely receive the mouth of the inlet scoop piece and
7 radially inwardly and radially outwardly bound and support the mouth, and a lip
8 projecting outwardly from the forward end of the outlet scoop piece and closely received
9 in the mouth of the inlet scoop piece, the inlet scoop piece and outlet scoop piece being
10 assembled together such that a water separation cavity is defined between the lip and the
11 internal channel, and when the pieces are so assembled, a flow passage defined through
12 the pieces which causes water in the air stream through the flow passage to separate out
13 in the water separation cavity, collect in the internal channel, and drain down through the
14 drain tube.

1 8. (Currently Amended) The water separator as in claim 7, wherein the inlet scoop
2 piece is outwardly bounded and supported by an inner wall of the outlet scoop piece, and

3 inwardly bounded and supported by an outer wall of the lip [receiving channel of the
4 outlet scoop piece inwardly and outwardly bounds and supports the mouth of the inlet
5 scoop piece].

1 9. (Currently amended) The water separator as in claim 8, wherein the mouth of the
2 inlet scoop piece[,] has a radially-outward projecting bead therearound, and the receiving
3 channel of the outlet scoop piece closely receives the outer diameter of the bead, and the
4 lip closely inwardly bounds an inner diameter of the [end wall] mouth.

1 10. (Original) The water separator as in claim 9, wherein the mouth of the inlet scoop
2 piece has a flat forward end, and the receiving channel of the outlet scoop piece has a flat
3 end wall, the mouth of the inlet scoop piece being received in the receiving channel such
4 that the forward end of the inlet scoop piece is located flush against the end wall of the
5 channel.

1 11. (Original) The water separator as in claim 7, further including a pair of attachment
2 flanges on the inlet scoop piece and a pair of attachment flanges on the outlet scoop
3 piece, the flanges on the inlet scoop piece being aligned with the flanges on the outlet
4 scoop piece, and fasteners associated with the flanges securing the inlet scoop piece to
5 the outlet scoop piece.

1 12. (Original) The water separator as in claim 7, wherein the inlet scoop piece and the
2 outlet scoop piece are each unitary components.

1 13. (Currently Amended) A water separator for removing water from an air stream for
2 an internal combustion engine, said water separator including i) an inlet scoop piece with
3 a body having a rib portion defining an internal enlarged channel, a drain tube at a lower
4 end of the rib portion, and a mouth at a forward end of the inlet scoop piece; and ii) an
5 outlet scoop piece with a body having a receiving channel at a forward end dimensioned

6 to closely receive the mouth of the inlet scoop piece and radially inwardly and radially
7 outwardly bound and support the mouth; and an internal lip projecting from the mouth of
8 the inlet scoop piece rearwardly within the inlet scoop piece, the lip and the internal
9 channel in the inlet scoop piece defining a water separation cavity, and when the pieces
10 are so assembled, a flow passage through the pieces which causes water in the air stream
11 to separate out in the water separation cavity, collect in the internal channel, and drain
12 down through the drain tube.

1 14. (Currently Amended) The water separator as in claim 13, wherein the inlet scoop
2 piece is outwardly bounded and supported by an inner wall of the outlet scoop piece
3 [receiving channel of the outlet scoop piece inwardly and outwardly bounds and supports
4 the mouth of the inlet scoop piece].

1 15. (Original) The water separator as in claim 14, further including a pair of
2 attachment flanges on the inlet scoop piece and a pair of attachment flanges on the outlet
3 scoop piece, the flanges on the inlet scoop piece being aligned with the flanges on the
4 outlet scoop piece, and fasteners associated with the flanges securing the inlet scoop
5 piece to the outlet scoop piece.

1 16. (Original) The water separator as in claim 12, wherein the inlet scoop piece and
2 the outlet scoop piece are each unitary components.

1 17. (Currently Amended) A water separator for removing water from an air stream for
2 an internal combustion engine, wherein the engine includes an inlet air scoop and an air
3 cleaner assembly, the water separator including i) an upstream inlet scoop piece unitary
4 with the inlet air scoop and having a body with a rib portion defining an enlarged internal
5 chamber, an elongated drain tube at a lower end of the rib portion, and a mouth at a
6 downstream end of the inlet scoop body; and ii) a downstream outlet scoop piece unitary
7 with the air cleaner assembly, and having a body with a receiving channel at an upstream

8 end dimensioned to closely receive the mouth of the inlet scoop piece and radially
9 inwardly and radially outwardly bound and support the mouth; and a lip located
10 internally of the inlet scoop piece and defining a water separation cavity with an inner
11 surface of the internal channel opening in the upstream direction, and a flow passage
12 through the inlet scoop piece and the outlet scoop piece, wherein water in the air stream
13 passing downstream through the flow passage separates out in the water separation
14 cavity, collects in the internal channel, and drains out through the drain tube, and
15 essentially water-free air continues to the air cleaner assembly.

1 18. (New) The fluid separator as in claim 1, wherein the mouth of the inlet scoop
2 piece has a rounded forward end, and the receiving channel has a complementary
3 rounded interior configuration closely receiving the mouth.

1 19. (New) The fluid separator as in claim 1, wherein the mouth of the inlet scoop
2 piece has a bead therearound, and the receiving channel of the outlet scoop piece closely
3 receives an outer diameter of the bead, and the lip closely inwardly bounds an inner
4 diameter of the mouth .

1 20. (New) The fluid separator as in claim 1, wherein the lip is unitary with the inlet
2 scoop piece.

1 21. (New) The fluid separator as in claim 3, wherein the bead of the inlet scoop piece
2 has an end wall facing radially inward into the internal channel, and the lip inwardly
3 bounds and supports the end wall.

1 22. (New) The water separator as in claim 7, wherein the mouth of the inlet scoop
2 piece has a rounded forward end, and the receiving channel has a complementary
3 rounded interior configuration closely receiving the mouth.

1 23. (New) The water separator as in claim 7, wherein the mouth of the inlet scoop
2 piece has a bead therearound, and the receiving channel of the outlet scoop piece closely
3 receives an outer diameter of the bead, and the lip closely inwardly bounds an inner
4 diameter of the mouth.

1 24. (New) The water separator as in claim 9, wherein the bead of the inlet scoop piece
2 has an end wall facing radially inward into the internal channel, and the lip inwardly
3 bounds and supports the end wall.

1 25. (New) The water separator as in claim 13, wherein the mouth of the inlet scoop
2 piece has a rounded forward end, and the receiving channel has a complementary
3 rounded interior configuration closely receiving the mouth.

1 26. (New) The water separator as in claim 13, wherein the lip is unitary with the inlet
2 scoop piece.

1 27. (New) The water separator as in claim 17, wherein the inlet scoop piece is
2 outwardly bounded and supported by an inner wall of the outlet scoop piece, and
3 inwardly bounded and supported by an outer wall of the lip.

1 28. (New) The water separator as in claim 27, wherein the mouth of the inlet scoop
2 piece has a bead therearound, and the receiving channel of the outlet scoop piece closely
3 receives the outer diameter of the bead, and the lip closely inwardly bounds an inner
4 diameter of the mouth

1 29. (New) The water separator as in claim 28, wherein the bead of the inlet scoop
2 piece has an end wall facing radially inward into the internal channel, and the lip
3 inwardly bounds and supports the end wall.

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1 30. (New) The water separator as in claim 17, wherein the mouth of the inlet scoop
2 piece has a rounded forward end, and the receiving channel has a complementary
3 rounded interior configuration closely receiving the mouth.

1 31. (New) The water separator as in claim 17, wherein the lip is unitary with the inlet
2 scoop piece.